FLOWCHART OF AN EMBODIMENT OF THE CURRENT INVENTION

Initial transfection of mammalian cell line

Selection of cell-lines

Nuclear transfer/embryo transfer procedure

Birth of hetorozygote animal(s)

Characterization of heterozygote transgenic animal(s)

Biopsy of transgenic animal to generate cell population

Expansion of biopsied heterozygote cell-line in culture

Selection of homozygous cells with increased concentration of selective agents

Pick surviving cell colonies

Characterizing surviving cells (FISH, Southern blot)

Using homozygous cell lines in NT/ET

Production of a homozygous animal for desired transgene

Accelerated production of herd homozygous for desired transgene(s)

Production of desired biopharmaceutical/Production of genetically desirable livestock or non-human mammals

FIG. 2/2

